

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** April 26- 27, 2006

**Inspector:** Diana Walden

**Location:** Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

**Storm/**

**Rain Event:** Approximately 3.6" of rain was recorded over 4/22-4/23 as reported by NOAA. However, there were local, unconfirmed reports of over 5".

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- <b>Hoyts Hill:</b> Access is gained off Hoyts Hill Road. Sediment tracking was not observed on the roadway. 4/26/06.	-None at this time. Active work has not returned. 4/26/06.	-N/A.
	- <b>Archers Lane:</b> Water levels at the wetland crossings on the access road to the ROW remain below problem levels even following rains. 4/26/06.	-Crossings and controls are in good shape with the exception of attention needed near the first wetland. See other sections 4/26/06.	-N/A
	-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26/06	-The jurisdiction should be determined and the area restored. 4/26/06	- Needs attention
	- <b>Norwalk Junction:</b> Sediment tracking did not appear to be an issue at this time. Erosion/ wash-outs remain along the slopes of the swale. 2/16-4/26/06.	-Continue to monitor Rt. 7 at the main access pad. 4/26/06. - See erosion control section for more details on the swales/sediment. 2/16-4/26/06.	-N/A
Foundation construction	- At <b>Hoyts Hill:</b> A small area of 345kV XLPE excavation remains at the base of the slope but there was no active work on the pad. 4/26/06.	-The station pad itself is in good shape and the northern slope is well restored. 4/26/06.	-N/A

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	<p>-At <b>Archers Lane</b>, foundation work continues within the station pad. 3/29-4/26/06.</p> <p>-At <b>Norwalk Junction</b>: Work continues on the structures in the station pad including several large excavations. 3/15-4/26/06.</p> <p>- The recent rains caused flooding within the station yard and footings had to be cleaned out. 4/26/06</p>	<p>-None at this time. The area is contained. 4/26/06.</p> <p>- See erosion control section for more information. 4/26/06.</p> <p>- See erosion control and dewatering section for more details. 4/26/06</p>	<p>-N/A</p> <p>-N/A</p> <p>- N/A</p>
Erosion and Sediment Controls	<p>-<b>Hoyts Hill</b>: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-4/26/06.</p> <p>- Erosion control mats and blankets remain on the northern slope and new grass growth was observed. 4/26/06.</p> <p>-The southern gully and less severe erosion along the face of the southern silt fence still needs attention. 1/26-4/26/06.</p>	<p>-Monitor and maintain the fence as necessary and continue to monitor for any sediment accumulation. 4/6-4/26/06.</p> <p>- Continue to monitor the condition of the mats and slopes. 4/26/06.</p> <p>-Plan to repair/stabilize the southern slope as well and potentially extend the outlet. 1/26-4/26/06.</p>	<p>- N/A</p> <p>-N/A (grass growth was noted)</p> <p>- Still needs attention</p>
	<p>- <b>Archers Lane</b>: Sediment removal efforts are still needed at the 1<sup>st</sup> wetland as accumulation increased with recent rains. 4/26/06.</p> <p>-Restoration efforts will be necessary along the disturbed slopes of the access road. 4/26/06</p>	<p>Any easily accessible deposits of sediment need to continue to be removed. Fine layers of silt can remain. 4/6-4/26/06</p> <p>-Determine whether 345kV or AL contractors should perform restoration. 4/26/06</p>	<p>- Still needs attention</p> <p>- Needs attention</p>

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Erosion and Sediment Controls continued	<ul style="list-style-type: none"> <li>- Silt fence is also down along the access drive and some minor sedimentation is occurring. 4/26/06</li> <li>- <b>Norwalk Junction:</b> The recent Norwalk River flood scattered the haybales along the perimeter fence 4/26/06.</li> <li>- Flooding also took out the perimeter silt fence. 4/26/06.</li> </ul>	<ul style="list-style-type: none"> <li>- Consider restoring silt fence here. 4/26/06</li> <li>- The haybales should be repaired as an additional control but are not as essential as the silt fence 4/26/06.</li> <li>- Repair and reinforce silt fence along the river 4/26/06.</li> </ul>	<ul style="list-style-type: none"> <li>- Needs attention if feasible</li> <li>- Needs attention if feasible</li> <li>- Needs attention</li> </ul>
	<ul style="list-style-type: none"> <li>- The old culvert near the silt fence and the river was observed. It still shows evidence of occasional flow, including sediment from the disturbed soil at the site. 3/15-4/26/06.</li> <li>- The wetland area outside the silt fence adjacent to the river contained pooled turbid water partly due to the dewatering and cleaning up on site 4/26/06.</li> <li>- Sediment from small washouts along the slope of the swale introduces more potential for turbidity. 2/16-4/26/06.</li> <li>- Dewatering was sending turbid water to the swale. 4/26/06</li> </ul>	<ul style="list-style-type: none"> <li>- The culvert should be removed/or the connection cut, completely if feasible 4/12-4/26/06.</li> <li>- This area receives direct runoff from the site through the swale making water quality important. 1/19-4/26/06 Silt fence should be maintained in this location. 4/26/06.</li> <li>- The slumping or washouts on the slope should be repaired with further seeding or stabilization. 3/8-4/26/06.</li> <li>- More controls were requested to improve water clarity here. 4/26/06</li> </ul>	<ul style="list-style-type: none"> <li>- Needs attention</li> <li>- Needs attention</li> <li>- Needs attention</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- <b>Hoyts Hill:</b> The wetland remains well protected at this time. 4/6-4/26/06.</li> <li>- <b>Archers Lane:</b> Watch run-off velocity down the completed slopes and</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor this area until slopes have stabilized completely . 4/26/06.</li> <li>- Continue to remove the sediment from the wetland where there are</li> </ul>	<ul style="list-style-type: none"> <li>- N/A.</li> <li>- Still needs attention</li> </ul>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	<p>walls. Efforts need to continue removing deposited sediment from the 1<sup>st</sup> wetland crossing. 2/16-4/26/06.</p> <p><b>- Norwalk Junction:</b> The outlet of the drainage swale is at the headwall of the wetland area. Turbid water is present here in the wetlands but has not had a significant impact on the river. 12/30-4/26/06.</p> <p>-Recent Norwalk River flooding caused problems on site but the water was running clear at the time of inspection. 4/26/06</p>	<p>significant buildups. 2/16-4/26/06.</p> <p>-See Erosion Control Section for more details. Reduce turbidity by controlling its source-disturbed surfaces on site. 12/30-4/26/06.</p> <p>- None at this time 4/26/06</p>	- N/A
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p><b>-Hoyts Hill:</b> The southern slope still needs to be revegetated in the spring as necessary. Grass growth was occurring along the restored northern slope. 4/26/06.</p> <p><b>- Archers Lane:</b> no additional clearing was noted here. 4/26/06.</p> <p><b>- Norwalk Junction:</b> -Additional clearing associated with corridors in from the adjacent new ROW was complete. 4/19/06.</p>	<p>- Repairs to washouts on the south side will be needed. Determine whether additional seed will be necessary. 4/12-4/26/06.</p> <p>-None at this time. 2/23/06-4/26/06.</p> <p>- Restore areas along the perimeter of the station pad as feasible. 4/26/06.</p> <p>See Overhead Report for more details. 4/26/06</p>	<p>-The northern slope is stabilized with grass growing</p> <p>-N/A.</p> <p>- N/A until work is completed.</p> <p>-N/A</p>
Dewatering	-Dewatering was no longer noted here. Controls are still well in place. 4/6-4/26/06.	-None at this time. See erosion control section. 4/26/06.	-N/A
<b>Hoyts Hill</b>			
<b>Archers Lane</b>	- Dewatering was not necessary at the time for the excavation. Haybales	- None at this time. 4/26/06.	-N/A

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Norwalk Junction	<p>remain installed across the swale. 4/6-4/26/06</p> <p>-Dewatering was necessary due to the flooding within the station yard. Footings had to be washed off, creating turbid water. 4/26/06.</p>	<p>-This was being sent to the swale and eventually the wetland area at the headwall. More controls were needed for filtration. 4/26/06.</p>	<p>-N/A</p> <p>- Needs attention</p>
Blasting	- All blasting is complete at this time. 4/26/06	- None at this time.	-N/A
Soils	<p>- Soil remains at the Archers Lane site from excavations but it is well contained. 4/26/06</p> <p>- A number of soil stockpiles remain at Norwalk Junction as excavation continues. The large stockpiles near the swale now have silt fence installed. 4/26/06.</p>	<p>- None at this time 4/26/06.</p> <p>- Stockpiles remain contained as long as perimeter silt fence is restored. See erosion control section. 4/26/06.</p>	<p>-N/A</p> <p>-N/A</p>
Spills and Material Storage	-No spills or leaks were noted at the time of inspection. 4/26/06	<p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site</p> <p>- Report spills immediately, even if they are being controlled.</p> <p>- Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.</p>	-N/A at this time
Additional Observations			

**Next likely scheduled inspection:**

Thursday May 4, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the

best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden



**Hoyts Hill Transition Station: Photo on the left shows the transition station pad where the active work was not occurring. Photo on the right shows the southern slope where some erosive washouts remain. 4/26/06**



**Photo on the left shows the remaining large gully on the southern slope. Photo on the right shows the recently restored northern slope with grass growth beginning. 4/26/06.**





Archers Lane: Photo on the left shows where some sediment was moving from the access road through the stone wall. Consider restoring silt fence here. Photo on the right shows the work on the station pad with the recently installed tower in the background. 4/26/06.



Photo on the left shows a further view of the pad. Photo on the right shows the 1<sup>st</sup> wetland crossing near the station. Further sediment accumulation has occurred and needs to be removed. 4/26/06.





**Norwalk Junction:** Photo on the left shows the foundation work which was flooded by the recent rains and the river. Sediment had to be washed off and removed. Photo on the right shows where the river flooded, leaving leaves along the perimeter fence. 4/26/06.



Photo on the left shows the silt fence which was washed out by the flooded river. Photo on the right shows where turbid water was pooling in the wetland as a result of dewatering the sediment from the foundations on site. 4/26/06.